



# State Incentives for Achieving Clean and Renewable Energy Development on Contaminated Lands

*The development of clean and renewable energy on formerly used land offers many economic and environmental benefits. Combining clean and renewable energy and contaminated land cleanup incentives can allow investors and communities to create economically viable clean and renewable energy redevelopment projects. This document provides information about incentives in your state that can be leveraged for clean and renewable energy and development of contaminated land.*



## Incentives for Clean and Renewable Energy

### Funding (grants, loans, bonds, etc.)

#### North Carolina Green Business Fund

[www.ncscitech.com/gbf/](http://www.ncscitech.com/gbf/)

Provides up to \$100,000 to organizations for the development and commercialization of renewable energy and green building technologies. Grants are available for the development of commercial innovations and applications in the biofuels industry, sustainable building practices, and private sector investment in renewable energy technologies. North Carolina-based businesses and nonprofits with fewer than 100 employees, as well as state and local governmental entities, are generally eligible.

#### Energy Improvement Loan Program

[www.energync.net/funding/eilp.html](http://www.energync.net/funding/eilp.html)

Provides loans with an interest rate of 1% for certain renewable energy and energy recycling projects. Loans up to \$500,000 per recipient are available. Eligible renewable energy projects generally include solar, wind, small hydropower, and biomass.

### Tax Incentives (abatements, deductions, credits, etc.)

#### Renewable Energy Corporate Tax Credit

[www.ncleg.net/EnactedLegislation/Statutes/HTML/ByArticle/Chapter\\_105/Article\\_3B.html](http://www.ncleg.net/EnactedLegislation/Statutes/HTML/ByArticle/Chapter_105/Article_3B.html)

Provides a tax credit of 35% of the cost of renewable energy property constructed, purchased or leased by a taxpayer and placed into service in North Carolina during the taxable year, with a maximum incentive of \$2.5 million for commercial or industrial facilities.

#### Property Tax Abatement for Solar Electric Systems

[www.ncsc.ncsu.edu/information\\_resources/factsheets/Incentives\\_Commercial\\_Solar\\_2009update.pdf](http://www.ncsc.ncsu.edu/information_resources/factsheets/Incentives_Commercial_Solar_2009update.pdf)

Exempts 80% of the appraised value of a photovoltaic electric system from property tax for commercial, industrial, residential, and agricultural property.

### Technical Assistance and Other Incentives

#### GreenPower Production Incentive

[www.ncgreenpower.org/](http://www.ncgreenpower.org/)

Offers production payments for electricity generated by solar, wind, small hydro (10 MW or less), and biomass resources. The incentives, which include payments from utility power-purchase agreements, are made on a per-kWh basis and vary by technology. Owners of solar-electric systems enrolled in NC GreenPower receive \$.15/kWh from the program, plus approximately \$.04 kWh from their utility under the power-purchase agreement, for a total production payment of approximately \$.19/kWh.

### Net Metering

[www.ncuc.commerce.state.nc.us](http://www.ncuc.commerce.state.nc.us)

Offers net metering in conjunction with the utility's interconnection standards. The maximum capacity of net-metered residential systems is 20 kW; the maximum capacity of net-metered non-residential systems is 100 kW.

### Quick Facts

Public Benefit Fund (PBF)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Renewable Portfolio Standard	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
12.5% of 2020 retail sales by 2021 for investor-owned utilities; 10% of 2017 retail sales by 2018 for electric cooperatives and municipal utilities	
Net Metering	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Interconnection Standards	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

### Electric Power Industry Generation by Primary Energy Source (EIA, 2006)

Petroleum-Fired	0.3%	Nuclear	31.9%
Natural Gas-Fired	2.5%	Hydroelectric	3.1%
Coal-Fired	60.3%	Other Renewables	1.5%

### Points of Contact

#### North Carolina Green Business Fund

#### North Carolina Board of Science and Technology

[www.ncscienceandtechnology.com](http://www.ncscienceandtechnology.com)  
ncbst@nccommerce.com, (919) 733-6500

#### Energy Improvement Loan Program

[www.energync.net/funding/eilp.html](http://www.energync.net/funding/eilp.html)  
Enass Wahby, [enass.wahby@ncmail.net](mailto:enass.wahby@ncmail.net), (919) 733-1919

#### Renewable Energy Corporate Tax Credit

#### North Carolina State University North Carolina Solar Center

[www.ncsc.ncsu.edu](http://www.ncsc.ncsu.edu)  
Brian Lips, [brian\\_lips@ncsu.edu](mailto:brian_lips@ncsu.edu), (919) 515-3954

#### Property Tax Abatement for Solar Electric Systems

Department of Revenue Tax Payer Assistance  
(877) 308-9103

#### GreenPower Production Incentive

#### GreenPower Public Information

[info@ncgreenpower.org](mailto:info@ncgreenpower.org), (919) 716-6398

#### Net Metering

James McLawhorn, [James.McLawhorn@ncmail.net](mailto:James.McLawhorn@ncmail.net), (919) 733-2267



# Incentives for Development of Contaminated Land



## Funding (grants, loans, bonds, etc.)

### Brownfields Cleanup Revolving Loan Dry-Cleaning Solvent Cleanup Program

[www.ncdsca.org/](http://www.ncdsca.org/)

Provides funds to assess and clean up contaminated dry-cleaning sites using state-lead contractors. The source for the cleanup fund is a tax on dry-cleaning and dry-cleaning solvents (both perchloroethylene and petroleum-based solvents).

### Underground Storage Tank Trust Fund

[www.wastenotnc.org/ust/trustfunds.html](http://www.wastenotnc.org/ust/trustfunds.html)

Provides reimbursement for costs incurred during the cleanup of soil and ground water contamination resulting from a release of petroleum from an underground storage tank.

### Inactive Hazardous Sites Program

[www.wastenotnc.org/sfhome/IHSBRNCH\\_OldLandfills.HTM](http://www.wastenotnc.org/sfhome/IHSBRNCH_OldLandfills.HTM)

Provides a reimbursement program for addressing non-permitted landfills. A tax, effective July 2008, will fund the reimbursement to local governments that conduct assessment and mitigation activities under a plan approved by the Inactive Hazardous Sites Program.

## Tax Incentives (abatements, credits, deductions, etc.)

### Brownfields Tax Incentive

[www.ncleg.net/EnactedLegislation/Statutes/PDF/BySection/Chapter\\_105/GS\\_105-277.13.pdf](http://www.ncleg.net/EnactedLegislation/Statutes/PDF/BySection/Chapter_105/GS_105-277.13.pdf)

Provides local property tax relief upon completion of improvements to a former brownfields property. The value of the improvements is excluded from future property taxes for five years at a rate of 90% exclusion in the first year, gradually decreasing to a 10% exclusion in year five.

## Limitations on Liability

### Voluntary Cleanup Program

[www.wastenotnc.org/sfhome/ihsbrnch.htm](http://www.wastenotnc.org/sfhome/ihsbrnch.htm)

Provides prospective developers, who are noncausative parties, liability protection under a brownfields agreement in the form of a Covenant Not To Sue (CNTS), contingent on completion of cleanup and/or safe-making actions in the brownfields agreement.

## Quick Facts

Limitations on Liability Yes ☒ No ☐

Number of State-Tracked Contaminated Properties: 259

Includes Brownfields/Voluntary Cleanup Programs sites that are pending eligibility, active or completed

Number of EPA CERCLIS Sites: 228

Sites identified for potential investigation under the federal Superfund Program

Number of EPA Brownfields Properties: 150

Properties being funded or addressed under the EPA Brownfields Program

*There may be some overlap among the categories listed and sites listed may not represent all potentially contaminated sites in North Carolina.*

## Points of Contact

### Brownfields Cleanup Revolving Loan Dry-Cleaning Solvent Cleanup Program

John Powers, [John.Powers@NCmail.net](mailto:John.Powers@NCmail.net), (919) 508-8470

### Underground Storage Tank Trust Fund

Division of Waste Management – UST Section, (919) 733-8486

### Inactive Hazardous Sites Program

[www.wastenotnc.org/sfhome/IHSBRNCH\\_OldLandfills.HTM](http://www.wastenotnc.org/sfhome/IHSBRNCH_OldLandfills.HTM)

Charlotte Jesneck, [charlotte.jesneck@ncmail.net](mailto:charlotte.jesneck@ncmail.net), (919) 508-8400

### Brownfields Tax Incentive

Bruce Nicholson, [bruce.nicholson@ncmail.net](mailto:bruce.nicholson@ncmail.net), (919) 508-8400

### Voluntary Cleanup Program

Charlotte Jesneck, [charlotte.jesneck@ncmail.net](mailto:charlotte.jesneck@ncmail.net), (919) 508-8400